

HAVCR1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14030a**Specification**

HAVCR1 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O96D42
Other Accession	NP_001092884.1 , NP_036338.2 , NP_001166864.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	39250
Antigen Region	53-82

HAVCR1 Antibody (N-term) - Additional Information**Gene ID** 26762**Other Names**

Hepatitis A virus cellular receptor 1, HAVcr-1, Kidney injury molecule 1, KIM-1, T-cell immunoglobulin and mucin domain-containing protein 1, TIMD-1, T-cell immunoglobulin mucin receptor 1, TIM, TIM-1, T-cell membrane protein 1, HAVCR1, KIM1, TIM1, TIMD1

Target/Specificity

This HAVCR1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 53-82 amino acids from the N-terminal region of human HAVCR1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

HAVCR1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

HAVCR1 Antibody (N-term) - Protein Information

Name HAVCR1**Synonyms** KIM1, TIM1, TIMD1

Function Phosphatidylserine receptor that plays an important functional role in regulatory B-cells homeostasis including generation, expansion and suppressor functions (By similarity). As P-selectin/SELPLG ligand, plays a specialized role in activated but not naive T-cell trafficking during inflammatory responses (PubMed:[24703780](#)). Controls thereby T-cell accumulation in the inflamed central nervous system (CNS) and the induction of autoimmune disease (PubMed:[24703780](#)). Also regulates expression of various anti-inflammatory cytokines and co-inhibitory ligands including IL10 (By similarity). Acts as a regulator of T-cell proliferation (By similarity). May play a role in kidney injury and repair (PubMed:[17471468](#)).

Cellular Location

Cell membrane; Single-pass type I membrane protein

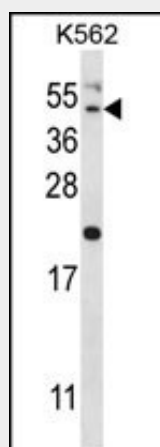
Tissue Location

Widely expressed, with highest levels in kidney and testis. Expressed by activated CD4+ T-cells during the development of helper T-cells responses.

HAVCR1 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HAVCR1 Antibody (N-term) - Images

HAVCR1 Antibody (N-term) (Cat. #AP14030a) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the HAVCR1 antibody detected the HAVCR1 protein (arrow).

HAVCR1 Antibody (N-term) - Background

The protein encoded by this gene is a membrane receptor for both human hepatitis A virus (HHAV) and TIMD4. The encoded protein may be involved in the moderation of asthma and allergic diseases. The reference genome represents an allele that retains a MTTVP amino acid segment that confers protection against atopy in HHAV seropositive individuals. Three transcript variants encoding the same protein have been found for this gene. [provided by RefSeq].

HAVCR1 Antibody (N-term) - References

Fontaine-Bisson, B., et al. Diabetologia 53(10):2155-2162(2010)
Garcia-Lozano, J.R., et al. Hum. Genet. 128(2):221-229(2010)
Wichukchinda, N., et al. AIDS 24(11):1625-1631(2010)
Huo, W., et al. Transplant Rev (Orlando) 24(3):143-146(2010)
Schuurhof, A., et al. Pediatr. Pulmonol. 45(6):608-613(2010)